



Photoelectric Research in Advanced Energy Materials

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Deadline for manuscript
submissions:

closed (31 October 2025)

Message from the Guest Editors

Rapid advancements in nanotechnology have revolutionized the field of photoelectric materials, ushering in a new era of highly efficient and versatile devices, such as solar cells and photoelectrochemical water-splitting applications. Among these, nano-micro materials have emerged as pivotal components, exhibiting exceptional photoelectric properties that are essential in next-generation solar cells and photoelectrochemical applications. In particular, perovskites, nanocrystals (NCs), quantum dots (QDs), and metal-organic frameworks (MOFs) have garnered significant attention due to their unique optical and electronic characteristics.

Perovskite/NC/QD/MOF materials, with their outstanding light absorption and charge transport properties, have led to remarkable progress in solar cells and photoelectrochemical applications. This Special Issue will bring together significant contributions from researchers in academia and industry, highlighting advancements in nanomaterial science across various applications. Please join us in this exploration of photoelectric materials and their transformative impact on solar energy and photoelectrochemical technologies.





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Message from the Editor-in-Chief

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